

## REMARKS

### Sequence disclosure

A revised sequence disclosure is enclosed herewith. The new sequence disclosure incorporates the primary structures (i.e., amino acid sequences) of the L19VH and L19VL domains, as disclosed in Pini et al. Support for this disclosure can be found in, for example, page 6, lines 10-14; page 3, lines 16-30 of the originally filed specification and Pini's disclosure in *Journal of Biological Chemistry*, vol. 273, pp. 21769-21776, 1998 (PUBMED ID: 9705314).

Although the disclosed VH and VL sequences of L19 were not explicitly recited in the aforementioned publication by Pini, these sequences could be routinely obtained without undue effort. Further, Pini states that these sequences were deposited in the EBI database. See, the legend to table II at page 21772 of Pini et al. A skilled worker could utilize routine search techniques for retrieving all the information relating to these sequence(s), for example, protein and/or nucleotide accession numbers. For example, the skilled worker could use CITEXPLORE, a program freely available from the European Bioinformatics Institute (EBI) website (<http://www.ebi.ac.uk/citexplore/>) to retrieve sequences (and accession numbers) which correspond to Pini et al. See, Exhibit A.

A search in CITEXPLORE using PUBMED ID: 9705314 (Pini et al., 1998) dispenses the following protein/mRNA accession numbers and their respective sequences:

S/N	UNIPROT ID (protein)	EMBL ID (mRNA)	DESCRIPTION
1	A2KBB9	AJ006111	Homo sapiens mRNA for E1 anti-(ED-B) scFV recombinant antibody, partial
2	A2KBC0	AJ006112	Homo sapiens mRNA for H10 anti-(ED-B) scFV recombinant antibody, partial
3	A2KBC1	AJ006113	Homo sapiens mRNA for L19 anti-(ED-B) scFV recombinant antibody, partial
4	A2KBC2	AJ006114	Homo sapiens mRNA for A2 anti-(ED-B) scFV recombinant antibody, partial
5	A2KBC3	AJ006115	Homo sapiens mRNA for G4 anti-(ED-B) scFV recombinant antibody, partial
6	A2KBC4	AJ006116	Homo sapiens mRNA for H7 anti-TN-C scFv recombinant antibody, partial
7	A2KBC5	AJ006117	Homo sapiens mRNA for 17 anti-HCS scFv recombinant antibody, partial
8	A2KBC6	AJ006118	Homo sapiens mRNA for H1 anti-FactorVIII scFv recombinant antibody, partial
9	A2KBC7	AJ006119	Homo sapiens mRNA for A4 anti-IFN-G scFv recombinant antibody, partial
10	A2KBC8	AJ006120	Homo sapiens mRNA for C3 anti-TeTox scFv recombinant antibody, partial

Based on the description of the sequences/accession numbers, a skilled artisan can readily determine that the nucleotide with the accession number AJ006113 [GenBank Identifier (GI) No.: 3395509] relates to L19 sequence. As for the VH and VL

sequences that are contained in complete antibody molecule (A2KBC1), these could be routinely determined based on Pini's own disclosure and/or utilizing programs such as BLAST and INTERPROscan. See, for example, Pini's experimental section and the disclosure contained in Fig. 1. The total process constitutes nothing more than what is routine in the art.

Furthermore, AJ006113 is the most up-to-date version of the sequence which was deposited on the EBI database as of the priority date of the present application. See, Exhibit B, which provides a history of these deposits. Applicants therefore respectfully submit that the additional sequences recited in the revised sequence disclosure were completely available to the skilled artisan as of the filing date of the instant application. No new matter is added.

### **Specification**

Applicants have amended the specification to recite sequence identifier numbers. Support for the amendment can be found in, for example, the revised sequence disclosure. The revised sequence disclosure is supported by the totality of Pini's disclosure in the JBC article (1998) and the EBI database entries, which purport to this publication. It is respectfully submitted that the amendments do not raise new matter.

No fees are believed to be due with this response; however, the Commissioner is hereby authorized to charge any fees associated with this response to Deposit Account No. 13-3402.

Respectfully submitted,

  
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